Contents

Vol. 116, No. 1—3, 1994

Fundamental Review

Characterization of Polymer Materials by Scattering Techniques, with Applications to Block Copolymers.
T. Lodge 1

Original Papers

Loss of Selenium in Water Samples at Natural Levels During Storage.
D. Wang 33

Determination of *o*-Cresol Red in Xylenol Orange and Semi-Xylenol Orange by Third-Order Derivative Spectrophotometry.
C.-X. He, N. Zhou 41

Improvement of the Extraction Spectrophotometric Determination of Total Carbonate Using Uranyl Quinolin-8-olate and Benzyltributylammonium Bromide.
M. D. Galindo-Riaño, M. García-Vargas, J. A. Muñoz-Leyva 49

Determination of Nanomole Quantities of Lower Aldehydes by Cold-Vapour Atomic Absorption Spectrometry.
M. R. O. Karim, T. M. Karadaghi, F. M. Najib 57

Rapid and Selective Method for the Spectrophotometric Determination of Tin Using Potassium Ethylxanthate.
S. P. Arya, A. Bansal 63

Polarographic Behaviour of 2-Benzilideniminobenzohydroxamic Acid (2-BIBH) and 2-BIBH-Mo(VI) System.
R. Encinas García, A. Guiberteau Cabanillas, L. Calvo Blázquez, R. M. García-Moncó Carra, A. Sánchez Misiego 73

Separation of Noble Metal Ions on Silica with Chemically Bonded Ligands.
T. Schilling, P. Schramel, B. Michalke, G. Knapp 83

Spectrophotometric Phosphate Determination in Urine by Ligand Exchange Extraction.
E. Lozano-Chaves, M.-P. Hernández-Artiga, A. Muñoz-Leyva 91

IR-Spectroscopic Investigations on Phosphated Galvanized Steel.
K. Molt, M. Pohl, R. Seidel, B. Mayer 101

On the Understanding of the Results of NMR Spectra Prediction Using Spectroscopic Databases.
M. Grzonka 111

Solid Membrane Sensor for Potassium Ions.
S. K. Srivastava, A. Singh, M. Singh 123

Standard pH Values for Phosphate Buffer Reference Solutions in Acetonitrile-Water Mixtures up to 50% (m/m).
J. Barbosa, V. Sanz-Nebot 131

Cathodoluminescence (CL) and CL Spectra of Microwave Plasma-enhanced CVC Diamond.
J. Ponahlo, R. Haubner, B. Lux 143

5-(4-Carboxylphenylazo)-8-aminoquinoline as an Analytical Reagent for the Spectrophotometric Determination of Gold.
Z. Zuotao 157

News Section

Announcements 165

Conference Calendar 169

Vol. 116, No. 4, 1994

Original Papers

Determination of Cadmium in Biological Samples by Inductively Coupled Plasma Atomic Emission Spectrometry After Extraction with 1,5-Bis[phenyl-(2-pyridyl)methylene]-thiocarbonohydrazide.
M. T. Siles Cordero, A. Garcia de Torres, J. M. Cano Pavón, C. Bosch Ojeda . . 173

Quantitative Determination of Chloride by Means of Flow Injection Analysis with Spectrophotometric Detection in the UV/VIS Range.
D. Krämer, E. Rosenberg, A. Krug, R. Kellner, W. Hutter, W. Hampel 183

Fourth-Derivative Spectrophotometric Determination of Neodymium in Mixed Rare Earths with Methyl Thymol Blue and Cetylpyridinium Chloride.
N. Wang, P. Qi, K. Jiang 191

Kinetic-Catalytic Determination of Osmium by Fluorescence Quenching with Salicylfluorone and Hydrogen Peroxide.
Q. Zhu, G. Gong, H. Wang 197

Iodine Determination in Biological Materials by ICP-MS.
P. Schramel, S. Hasse 205

Fluorimetric Determination of the Fungicide Benomyl After Solvolysis.
F. García-Sánchez, A. Aguilar-Gallardo 211

Spectrophotometric Determination of Gold by Reaction with Molybdate and Nile Blue in the Presence of PVA.
Z. Li, J. Wang, Q. Xu 219

Flow Injection Chemiluminescent Detection of Trace Co(II) with Dibromoalizarin Violet-H_2O_2-CTMAB System.
G.-N. Chen, J.-P. Duan, Q.-F. Hu 227

Fabrication of an Ion-Selective Electrode for Determination of Propylhexedrine.
M. M. Zareh 239

News Section

Conference Calendar 247

Abstracted/Indexed in: Current Contents, SCI, ASCA, Analytical Abstracts, Biosis, Chemical Abstracts, Engineered Materials Abstracts, Metals Abstracts

Printed on acid-free and chlorine-free bleached paper